Vision Master™ Pro 501 A101GT

Vision Master™ Pro 502 A102GT

Vision Master™ 501 S101GT

Vision Master™ 502 S102GT

USER MANUAL

ENGLISH

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Thank you very much for choosing the iiyama Vision Master color monitor.
We recommend that you take a few minutes to read carefully through this brief but comprehensive manual before installing and switching on the monitor. Please keep this manual in a safe place for your future reference.

FCC DECLARATION OF CONFORMITY

Model Number:	A101GT / A102GT / S101GT / S102GT
Trade Name:	iiyama
Responsible party:	Iiyama Electronics America, Inc.
Address:	575 Anton Boulevard, Suite 590, Costa Mesa, CA 92626 U.S.A.
Telephone number:	(1) 714-437-5111

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This equipment may not cause harmful interference, and (2) this equipment must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If you determine the equipment does cause harmful interference to radio or television reception (this may be determined by monitoring the interference while turning the equipment off and on), you are encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or TV technician for help.

To meet the FCC requirements, the specified signal cables below should be used.

Signal Cable MB30 (Enclosed): 242Z013-01
Signal Cable MB31 (Optional): 242Z017-01

CAUTION Changes or modifications not expressly approved by Iiyama Electric Co., Ltd. could void the user's authority to operate the equipment.

CANADIAN DEPARTMENT OF COMMUNICATIONS COMPLIANCE STATEMENT

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulation of the Canadian department of communications.

CE MARKING DECLARATION OF CONFORMITY

This Color Data Monitor complies with the requirements of the EC Directive 89/336/EEC “EMC Directive” and 73/23/EEC “Low Voltage Directive” as amended by Directive 93/68/EEC.
The electro-magnetic susceptibility has been chosen at a level that gives correct operation in residential areas, business and light industrial premises and small-scale enterprises, inside as well as outside of the buildings. All places of operation are characterized by their connection to the public low voltage power supply system.

- We reserve the right to change specifications without notice.
- All trademarks used in this user manual are the property of their respective owners.
- As an ENERGY STAR® Partner, iiyama has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

FOR YOUR SAFETY

SAFETY PRECAUTIONS

WARNING

STOP OPERATING THE MONITOR WHEN YOU SENSE TROUBLE

If you notice any abnormal phenomena such as smoke, strange sounds or fumes, unplug the monitor and contact your dealer or iiyama service center immediately. Further use may be dangerous and can cause fire or electric shock.

NEVER REMOVE THE CABINET

High voltage circuits are inside the monitor. Removing the cabinet may expose you to the danger of fire or electric shock.

DO NOT PUT ANY OBJECT INTO THE MONITOR

Do not put any solid objects or liquids such as water into the monitor. In case of an accident, unplug your monitor immediately and contact your dealer or iiyama service center. Using the monitor with any object inside may cause fire, electric shock or damage.

INSTALL THE MONITOR ON A FLAT, STABLE SURFACE

The monitor may cause an injury if it falls or is dropped.

DO NOT USE THE MONITOR NEAR WATER

Do not use the monitor where water may be splashed or spilt on the monitor as it may cause fire or electric shock.

OPERATE UNDER THE SPECIFIED POWER SUPPLY

Be sure to operate the monitor only with the specified power supply. Use of an incorrect voltage will cause malfunction and may cause fire or electric shock.

PROTECT THE CABLES

Do not pull or bend the power cable and signal cable. Do not place the monitor or any other heavy objects on the cables. If damaged, the cables may cause fire or electric shock.

ADVERSE WEATHER CONDITIONS

It is advisable not to operate the monitor during a heavy thunder storm as the continual breaks in power may cause malfunction. It is also advised not to touch the plug in these circumstances as it may cause electric shock.

CAUTION

INSTALLATION LOCATION

Do not install the monitor where sudden temperature changes may occur, or in humid, or dusty or smoky areas as it may cause fire, electric shock or damage. You should also avoid areas where the sun shines directly on the monitor.

DO NOT PLACE THE MONITOR IN A HAZARDOUS POSITION

The monitor may topple and cause injury if not suitably located. Please also ensure that you do not place any heavy objects on the monitor, and that all cables are routed such that children may not pull the cables and possibly cause injury.

CAUTION

MAINTAIN GOOD VENTILATION

Ventilation slots are provided to keep the monitor from overheating. Covering the slots may cause fire. To allow adequate air circulation, place the monitor at least 10 cm (or 4 inches) from any walls.
Do not remove the tilt stand when operating the monitor, ventilation slots on the cabinet bottom will be blocked and the monitor may overheat if the stand is removed. This may cause fire or damage. Operating the monitor on its back, side, upside down or on a carpet or any other soft material may also cause damage.

DISCONNECT THE CABLES WHEN YOU MOVE THE MONITOR

When you move the monitor, turn off the power switch, unplug the monitor and be sure the signal cables are disconnected. If you do not disconnect them, it may cause fire or electric shock.
It is recommended that two people are used when moving the monitor.

UNPLUG THE MONITOR

If the monitor is not in use for a long period of time it is recommended that it is left unplugged to avoid accidents.

HOLD THE PLUG WHEN DISCONNECTING

To disconnect the power cable or signal cable, always pull it by the plug. Never pull on the cable itself as this may cause fire or electric shock.

DO NOT TOUCH THE PLUG WITH WET HANDS

Pulling or inserting the plug with wet hands may cause electric shock.

DO NOT PUT FLOPPY DISKS NEAR THE MONITOR

Magnetic data recordings such as on a floppy disk may disappear if they are placed on or near the monitor as the degauss circuit causes a strong momentary magnetic field.

WHEN YOU INSTALL THE MONITOR ON YOUR COMPUTER

Be sure the computer is strong enough to hold the weight of the monitor, otherwise, you may damage your computer.

OTHERS

ERGONOMIC RECOMMENDATIONS

To eliminate eye fatigue, do not operate the monitor against a bright background or in a dark room. For optimal viewing comfort, the monitor should be just below eye level and 40-60 cm (16-24 inches) away from your eyes. When using the monitor over a prolonged time, a ten minute break every hour is recommended as looking at the screen continuously can cause eye strain.

MAGNETIC FIELD INFLUENCE

Place the monitor away from TV, speaker systems or any other source of strong magnetic fields.
The monitor may be noisy or the screen's output may be distorted as a result of interference from other appliances.

CUSTOMER SERVICE

NOTE

- If you have to return your unit for service and the original packaging has been discarded, please contact your dealer or iiyama service center for advice or replacement packaging.

CLEANING

WARNING

- If you drop any materials or liquids such as water into the monitor when cleaning, unplug the power cable immediately and contact your dealer or iiyama service center.

CAUTION

- For safety reasons, turn off the power switch and unplug the monitor before you clean it.

NOTE

- The CRT screen is protected by an anti-reflection & anti-static coating. Do not scratch or rub the screen with a hard object, as this could damage the coating.
- Never use any of the following strong solvents. These will damage the cabinet and the CRT.

Thinner	Spray-type cleaner
Benzine	Wax
Abrasive cleaner	Acid or Alkaline solvent

CABINET Stains can be removed with a cloth lightly moistened with a mild detergent solvent. Then wipe the cabinet with a soft dry cloth.

CRT It is recommended that a soft clean cloth be used to remove smudges (such as fingerprints) from the CRT.

BEFORE YOU OPERATE THE MONITOR

FEATURES

- **Crisp, Clear Display for Windows® or Macintosh**
- **Supports Resolutions up to 1600×1200 at High Refresh Rate**
- **Simple Three Button Operation with Advanced High Resolution On Screen Display System**
- **Windows® 95 Plug & Play Compliant**
- **Power Management (ENERGY STAR®, VESA DPMS and Nutek 803299 Compliant)**
- **Space Saving, Compact Case Design**
- **Ergonomic Design: TCO '95 and MPR Ⅱ Approved**

ACCESSORIES

The following accessories should be included in the Vision Master packaging. Please ensure that all of them are enclosed.

- Power Cable *
- Signal Cable MB30 (For VGA connection)
- User Manual

An optional USB Hub Stand is available for your Vision Master color monitor to enable it to act as a central connection between a USB compliant computer and peripherals. Please contact your local iiyama dealer or regional iiyama office for the optional parts below.

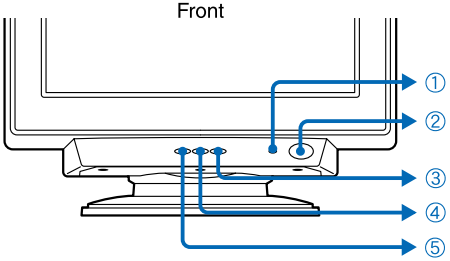
- USB Hub Stand S-HUB21

CAUTION *** TO USERS IN 120V AREA**

The rating of the Power Cable enclosed in 120V area is 10A / 125V. If you are using a power supply higher than this rating, then a power cable with a rating of 10A / 250V must be used.

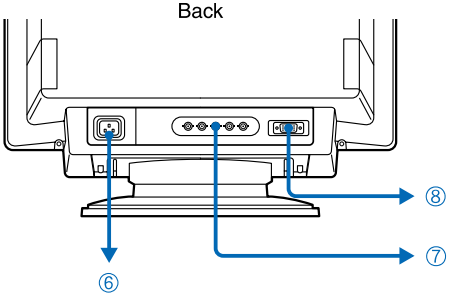
LOCATION OF CONTROLS

Front



① Power Indicator
② Power Switch
③ + Button
④ – Button
⑤ Menu Button

Back



⑥ AC Connector
(AC IN)
⑦ BNC Connectors
(V, H/HV, B, G/SYNC, R)
⑧ D-Sub mini 15pin Connector
(D-SUB)

CONNECTING YOUR MONITOR

① Ensure that both the computer and the monitor are switched off.

② Connect the computer to the monitor with the signal cable. (See page 17 for CONNECTOR PIN ASSIGNMENT.)

③ Connect the Power Cable to the monitor first and then to the power supply.

NOTE

■ The signal cables used for the connection vary by the type of computers you use. An incorrect connection may cause serious damage to both the monitor and the computer. The cable supplied with the monitor is for a standard 15 pin VGA connector. If a special cable is required please contact your local iiyama dealer or regional iiyama office.

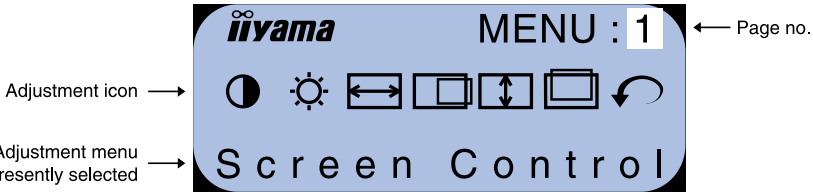
■ For connection to Macintosh computers, contact your local iiyama dealer or regional iiyama office for a suitable adaptor.

■ Make sure to tighten the finger screws at each end of the signal cable.

OPERATING THE MONITOR

The iiyama Vision Master has been preset at the factory with the signal timings listed on page 17 in PRESET MODES to create the best picture. If an incorrect picture appears during the operation, adjust the image by following the procedure below to get the desired picture.

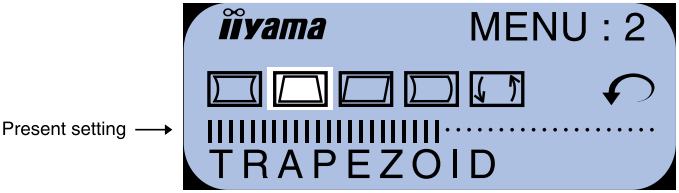
① Press the Menu Button to start the On Screen Display feature. There are four Menu pages which can be switched by using the +/– Buttons.



② Select the Menu page which contains the adjustment icon relating to the adjustment you want to make. Press the Menu Button again. Then, use the +/– Buttons to highlight the desired adjustment icon. Press the Menu Button again.

③ Use the +/– Buttons to make the appropriate adjustment or setting.

For example, to correct for trapezoid distortion, select Menu page number 2 and then press the Menu Button. Then, select (TRAPEZOID) by using the +/– Buttons.



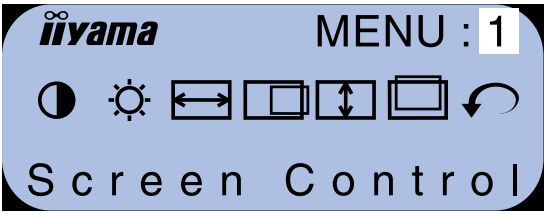
An adjustment scale appears after you press the Menu Button. Use the +/– Buttons to change the trapezoid settings. The shape of the overall display should be changing accordingly while you are doing this.

NOTE

- The On Screen Display disappears several seconds after you stop pressing the buttons while performing an adjustment. Any changes are automatically saved in the memory when the On Screen Display disappears. Turning off the power should be avoided while using the Menu.
- The On Screen Display will disappear and save your settings by pressing the Menu and – Buttons at the same time. It also helps you to operate the monitor more efficiently.
- Adjustments for SIZE, POSITION, PIN-CUSHION and TRAPEZOID are saved for each signal timing. Except for these adjustments, all other adjustments such as PARALLELOGRAM, COLOR and MOIRE have only one setting which applies to all signal timings.

ADJUSTMENT MENU CONTENTS

MENU : 1 Screen Control



Adjustment Item	Problem / Option	Button to Press
CONTRAST *	Too dull Too intense	+ / −
BRIGHTNESS *	Too dark Too bright	+ / −

NOTE "CENT" is displayed at the right hand side of the adjustment scale to indicate the middle of the adjustment range. Users are recommended to operate the monitor at this level to get the best picture under normal circumstances.

H-SIZE	Too small Too large	+ / −
H-POSITION	Too far to the left Too far to the right	+ / −
V-SIZE	Too small Too large	+ / −
V-POSITION	Too low Too high	+ / −
RETURN TO MENU	Highlight "MENU : 1" again.	

*DIRECT ADJUSTMENT FOR CONTRAST OR BRIGHTNESS

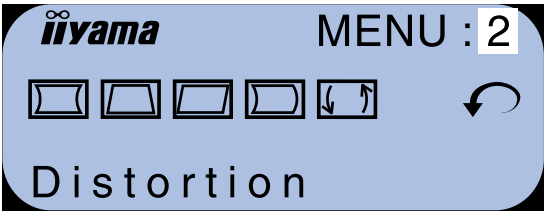
You can skip the Menu pages and display an adjustment scale directly by using the following button operations.

- CONTRAST: Press the +/– Buttons when the Menu is not displayed.
- BRIGHTNESS: Press the +/– Buttons and then the Menu Button continuously when the Menu is not displayed.

NOTE **SWITCHING CONTRAST / BRIGHTNESS ADJUSTMENT**

To switch between CONTRAST and BRIGHTNESS adjustments, press the Menu Button within 2 seconds after pressing the +/– Buttons during the direct adjustments above.

MENU : 2 Distortion

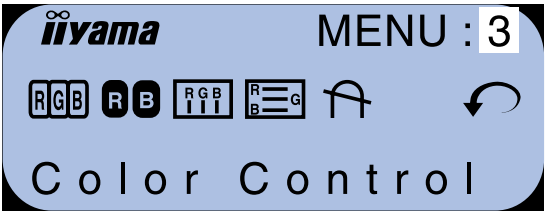


Adjustment Item	Problem / Option	Button to Press
PIN-CUSHION	To correct distortion	+ / −
TRAPEZOID	To correct distortion	+ / −
PARALLELOGRAM	To correct distortion	+ / −
PIN-BALANCE	To correct distortion	+ / −
TILT	To correct tilt	+ / −

NOTE "CENT" is displayed at the right hand side of the adjustment scale to indicate the middle of the adjustment range.

RETURN TO MENU	Highlight "MENU : 2" again.

MENU : 3 Color Control



Adjustment Item	Problem / Option	Button to Press
RGB COLOR TEMP. (in K: Kelvin)	9300K : Normal white	
	6500K : Warmer white	
	5000K : Paper white	
	USER : User color adjustment	

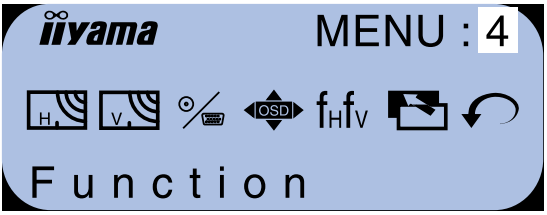
NOTE "USER" is set to 9300K as the factory-preset.

R RED	Too light Too dark	+ −
B BLUE	Too light Too dark	+ −

NOTE RED and BLUE adjustments are available only when the color temperature is set to "USER".

RGB H-CONVERGENCE	To correct misconvergence for vertical lines	+ −
V-CONVERGENCE	To correct misconvergence for horizontal lines	+ −
DEGAUSS **NOTE** Degauss should not be repeated continuously. Wait at least 30 minutes between degaussing operations. While degaussing, the picture shakes and a low sound occurs but this does not indicate a problem, it is normal.	Every time the monitor is switched on, the monitor is automatically degaussed. But occasionally the colors change when moving or swiveling the monitor. In this case, first try the tilt adjustment. If the problem persists, select DEGAUSS.	
RETURN TO MENU	Highlight "MENU : 3" again.	

MENU : 4 Function

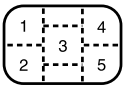


Adjustment Item	Problem / Option	Button to Press
H-MOIRE	To correct vertical wavy lines	+ / −
V-MOIRE Only available on S101GT and S102GT	To correct horizontal wavy lines	+ / −

NOTE Moiré is the result of interference between the phosphor layout and the video signal. By changing the horizontal and vertical size, the moiré can be reduced. On the Macintosh, you may find the moiré more noticeable, depending on the Desktop Pattern you select. In this case, change the desktop pattern. If moiré is still noticeable, use this function to reduce the effect. The picture may shake if extreme moiré correction is performed.

SIGNAL SELECT	Select either BNC or D-SUB for the signal input when both of the signal inputs are connected to a signal source.

NOTE When only one of the two signal inputs is connected to the signal source, the one connected is automatically selected.
SIGNAL SELECT is not available if there is no signal input from the selected connector or during the power management mode.

OSD POSITION	1 2 3 4 5 (+ / −) You can move the OSD display area to any one of the following 5 positions within the overall display:  Press the + Button to move the OSD in numerical order. Press the – Button to move the OSD in reverse numerical order.

ENGLISH

<table>
<tr><th>Adjustment Item</th><th colspan="2">Problem / Option</th></tr>
<tr><td>$f_H f_V$ DISPLAY FREQ.

NOTE The following resolution is also displayed if you receive a standard timing.
<table>
<tr><th>OSD</th><th>Resolution</th></tr>
<tr><td>VGA</td><td>640×350, 640×400, 640×480</td></tr>
<tr><td>SVGA</td><td>800×600</td></tr>
<tr><td>XGA</td><td>1024×768</td></tr>
<tr><td>SXGA</td><td>1280×1024</td></tr>
<tr><td>UXGA</td><td>1600×1200</td></tr>
</table></td><td colspan="2">The current display resolution, horizontal scan frequency and vertical refresh rate is displayed. For example, if the monitor was currently displaying a typical “XGA” resolution format of 1024 pixels (horizontal) by 768 pixels (vertical) and the horizontal scan frequency was 68.7 Kilohertz with a vertical refresh rate of 85 Hertz, the DISPLAY FREQ. on screen display would be as follows:

MONITOR INFORMATION
fH=68.7KHz XGA
fV= 85Hz</td></tr>
<tr><td rowspan="2">RESET</td><td>NO</td><td>Return to MENU.</td></tr>
<tr><td>YES</td><td>Factory-preset data is restored.</td></tr>
<tr><td colspan="3">NOTE Performing this operation resets any adjustment data made by the user to the factory-preset frequencies. The following settings made by the user for signals other than the factory-preset timings remain unchanged.
H-SIZE V-SIZE PIN-CUSHION
H-POSITION V-POSITION TRAPEZOID</td></tr>
<tr><td>RETURN TO MENU</td><td colspan="2">Highlight “MENU : 4” again.</td></tr>
</table>

POWER MANAGEMENT FEATURE

The power management feature of this product complies with every power saving requirement of ENERGY STAR®, VESA DPMS and Nutek 803299. When activated, it automatically reduces unnecessary power consumption of the monitor when your computer is not in use.
To use the feature, the monitor needs to be connected to a VESA DPMS compliant computer. There are three power management modes available, these are described below. The required settings, including the timer setting, should be made by the computer.

■ Stand-by Mode

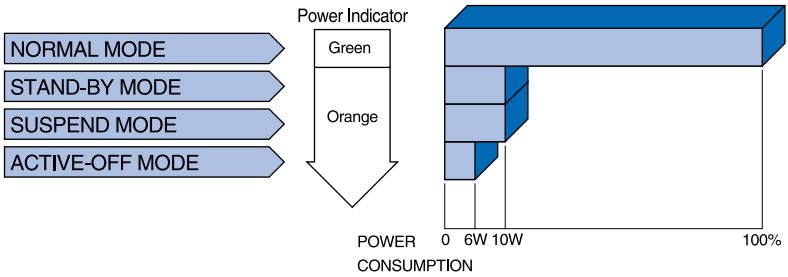
When the H-sync signal from the computer is off, the monitor enters into Stand-by Mode which reduces the power consumption to less than 10W. The screen becomes dark, and the power indicator turns to orange. From Stand-by Mode, the screen reappears instantaneously when the keyboard or the mouse is touched again.

■ Suspend Mode

When the V-sync signal from the computer is off, the monitor enters into Suspend Mode which reduces the power consumption to less than 10W. The screen becomes dark, and the power indicator turns to orange. From Suspend Mode, the screen reappears instantaneously when the keyboard or the mouse is touched again.

■ Active-off Mode

When the H and V sync signals from the computer are off, the monitor enters into Active-off Mode which reduces the power consumption to less than 6W. The screen becomes dark, and the power indicator turns to orange. From Active-off Mode, the screen reappears in 10 seconds when the keyboard or the mouse is touched again.



NOTE

- Even when using the power management mode, the monitor consumes electricity. Turn off the Power Switch whenever the monitor is not used, during the night and weekends, to avoid unnecessary power consumption.
- It is possible that the video signal from the computer may be on while the H or V sync signal is missing. In this instance, the POWER MANAGEMENT feature may not work properly.
- If two separate computers are connected to the monitor, one to the BNC input connector and the other to the D-SUB input connector, the POWER MANAGEMENT feature will work only if both computers meet the conditions described above.

TROUBLE SHOOTING

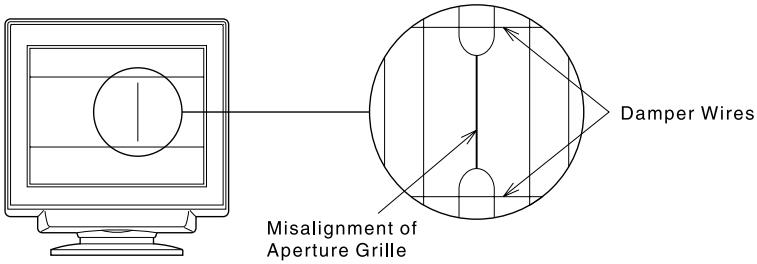
If the monitor fails to operate correctly, please follow the steps below for a possible solution.

1. Perform the adjustments described in OPERATING THE MONITOR, depending on the problem you have.
2. Consult the following charts if you cannot find an appropriate adjustment item in OPERATING THE MONITOR or if the problem persists.
3. If you are experiencing a problem which is not described below or you cannot correct the problem, discontinue using the monitor and contact your dealer or iiyama service center for further assistance.

Problem	Check
① The picture does not appear.	
(Power indicator does not light up.)	☐ The Power Cable is firmly seated in the socket. ☐ The Power Switch is turned ON. ☐ The AC socket is live. Please check with another piece of equipment.
(Power indicator is green.)	☐ If the blank screen saver is in active mode, touch the keyboard or the mouse. ☐ Increase the CONTRAST and/or BRIGHTNESS. ☐ The computer is ON. ☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor.
(Power indicator is orange.)	☐ If the monitor is in power management mode, touch the keyboard or the mouse. ☐ The computer is ON. ☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor.
② The screen is not synchronized.	☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor. ☐ The video output level of the computer is within the specification of the monitor.
③ The screen position is not in the center.	☐ The signal timing of the computer is within the specification of the monitor.
④ The screen is too bright or too dark.	☐ The video output level of the computer is within the specification of the monitor. The screen may be too bright due to the video output level difference of the computer. In this case, adjust the CONTRAST.
⑤ The screen is shaking.	☐ Check if there are any sources of strong magnetic fields such as TV, speakers, etc. nearby. If yes, remove them from the area of the monitor or change the position/direction of the monitor to avoid magnetic field interference. ☐ The power voltage is within the specification of the monitor. ☐ The signal timing of the computer is within the specification of the monitor. ☐ Moiré correction is working properly.

Normal phenomenon on 'Diamondtron' monitors

A101GT
A102GT



Misalignment of Aperture Grille

Due to the nature of the Diamondtron™ CRT, in rare cases, a misalignment of the aperture grille may happen by the shock or vibration caused during transportation. If a black vertical line appears on the screen, apply a light shock to the side of the monitor with your hand. If the problem persists, follow the procedure below.

① Display a full white picture and inspect the problem area.
② Display a high-white picture that covers the problem area to shoot a strong electron beam. Leave it for a while, until the problem disappears.

Damper Wires

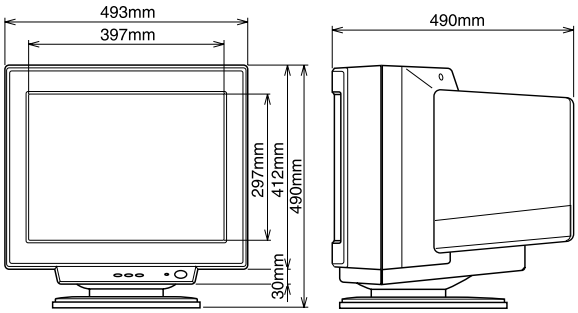
The two faint horizontal lines that may be visible on the screen are actually the shadows of steel wires called Damper Wires. All Diamondtron™ CRT based monitors have these wires for structural reasons.

APPENDIX

SPECIFICATIONS: A101GT/A102GT

CRT	Outline diagonal: 53cm (21"), Phosphor area diagonal: 50cm (20"), AG pitch 0.28mm, Diamondtron™, 90 degree deflection, Short persistence phosphor, Anti-reflection & Anti-static coating
Sync Frequency	A101GT Horizontal: 27.0-96.0kHz, Vertical: 50-160Hz A102GT Horizontal: 27.0-110.0kHz, Vertical: 50-160Hz
Video Bandwidth	240MHz dot clock
Maximum Resolution	1600 × 1200 (Non-interlaced)
Input Connectors	5-BNC, D-Sub mini 15pin
Plug & Play	VESA DDC1/2B™
Input Sync Signal	Separate sync: TTL, Positive or Negative Composite sync: TTL, Positive or Negative Sync on green: 0.3Vp-p, Negative
Input Video Signal	Analog: 0.7Vp-p (Standard), 75Ω, Positive
Number of Signal Storage	Factory-presets: 6 User defined settings: 10 maximum
Standard Screen Size	380mm W × 285mm H
Power Source Power Consumption	120-240VAC, 50/60Hz A101GT: 150W maximum in normal use A102GT: 160W maximum in normal use Power management Stand-by mode: 10W maximum Suspend mode: 10W maximum Active-off mode: 6W maximum
Dimensions / Net Weight *	493 × 490 × 490mm (W × H × D) / 34kg
Tilt-Swivel Angle	Right / Left: 45 degrees each, Up: 15 degrees, Forward: 5 degrees
Environmental Considerations	Operating: Temperature 0 to 35°C Humidity 10 to 80% (no condensation) Storage: Temperature -20 to 60°C Humidity 5 to 90% (no condensation)
Approvals	TCO '95, CE, TÜV-GS/MPR Ⅱ/ISO 9241-3, PTB, FCC-B, UL/C-UL, DHHS

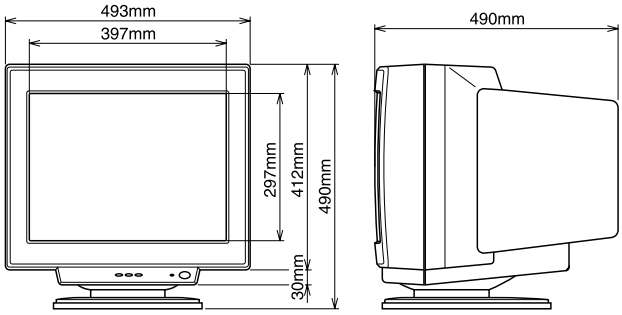
NOTE * Due to the weight of this unit, lifting and handling by two people is recommended.



SPECIFICATIONS: S101GT/S102GT

CRT	Outline diagonal: 53cm (21"), Phosphor area diagonal: 51cm (20"), Dot pitch 0.27mm (Horizontal: 0.22mm, Vertical: 0.16mm), Flat square tube, 90 degree deflection, Short persistence phosphor, Anti-reflection & Anti-static coating
Sync Frequency	S101GT Horizontal: 27.0-96.0kHz, Vertical: 50-160Hz S102GT Horizontal: 27.0-110.0kHz, Vertical: 50-160Hz
Video Bandwidth	240MHz dot clock
Maximum Resolution	1600 × 1200 (Non-interlaced)
Input Connectors	5-BNC, D-Sub mini 15pin
Plug & Play	VESA DDC1/2B™
Input Sync Signal	Separate sync: TTL, Positive or Negative Composite sync: TTL, Positive or Negative Sync on green: 0.3Vp-p, Negative
Input Video Signal	Analog: 0.7Vp-p (Standard), 75Ω, Positive
Number of Signal Storage	Factory-presets: 6 User defined settings: 10 maximum
Standard Screen Size	380mm W × 285mm H
Power Source Power Consumption	120-240VAC, 50/60Hz S101GT: 150W maximum in normal use S102GT: 160W maximum in normal use Power management Stand-by mode: 10W maximum Suspend mode: 10W maximum Active-off mode: 6W maximum
Dimensions / Net Weight *	493 × 490 × 490mm (W × H × D) / 31kg
Tilt-Swivel Angle	Right / Left: 45 degrees each, Up: 15 degrees, Forward: 5 degrees
Environmental Considerations	Operating: Temperature 0 to 35°C Humidity 10 to 80% (no condensation) Storage: Temperature -20 to 60°C Humidity 5 to 90% (no condensation)
Approvals	TCO '95, CE, TÜV-GS/MPR Ⅱ/ISO 9241-3, PTB, FCC-B, UL/C-UL, DHHS

NOTE * Due to the weight of this unit, lifting and handling by two people is recommended.



ENGLISH

PRESET MODES

The following chart indicates the Factory Preset Modes.

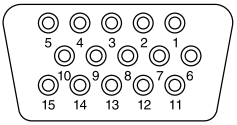
(●: Preset)

VESA Timing Name	Horizontal Frequency	Vertical Frequency	Sync Polarity		A101GT S101GT	A102GT S102GT
			H	V		
640×480 @60Hz	31.47kHz	59.9Hz	Negative	Negative	●	●
640×480 @75Hz	37.50kHz	75.0Hz	Negative	Negative	●	
640×480 @85Hz	43.27kHz	85.0Hz	Negative	Negative		●
800×600 @75Hz	46.88kHz	75.0Hz	Positive	Positive	●	
800×600 @85Hz	53.67kHz	85.1Hz	Positive	Positive		●
1024×768 @75Hz	60.02kHz	75.0Hz	Positive	Positive	●	
1024×768 @85Hz	68.68kHz	85.0Hz	Positive	Positive		●
1280×1024 @75Hz	79.98kHz	75.0Hz	Positive	Positive	●	
1280×1024 @85Hz	91.15kHz	85.0Hz	Positive	Positive		●
1600×1200 @75Hz	93.75kHz	75.0Hz	Positive	Positive	●	
1600×1200 @85Hz	106.25kHz	85.0Hz	Positive	Positive		●

NOTE Additional adjustments may be required to the factory-presets, because the signal timings vary depending on the type of graphics board you use.

CONNECTOR PIN ASSIGNMENT

■ D-Sub mini 15pin Connector



D-SUB

Pin	Input Signal	Pin	Input Signal
1	Red video	9	
2	Green video / Sync on green	10	Ground
3	Blue video	11	Ground
4		12	Data line (SDA) *
5		13	H-Sync / HV-Sync
6	Red video ground	14	V-Sync
7	Green video ground	15	Clock line (SCL) *
8	Blue video ground		

* Compliant to VESA DDC.

■ BNC Connectors

Connector / Input Signal	R	G/SYNC	B	H/HV	V
Separate Sync	Red	Green	Blue	H-Sync	V-Sync
Composite Sync	Red	Green	Blue	HV-Sync	
Sync On Green	Red	Green HV-Sync	Blue		

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